

FORM PTO-1449

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

U 014826-4

APPLICANT

NOEL JOHN DE SOUZA, et al.

FILING DATE

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIAT
JN	AA	6 3 2 9 3 9 1	12/2001	Ledoussal, et al.	514	312	
	AB	4 3 8 2 8 9 2	5/1983	Hayakawa, et al.	260	243.3	
	AC	5 8 5 9 0 2 6	1/1999	Ito, et al.	514	312	
	AD	5 8 8 9 0 0 9	5/1999	Miyake, et al.	514	254	
	AE	6 1 2 1 2 8 5	9/2000	Takemura, et al.	514	312	
	AF	6 1 8 4 3 8 8	2/2001	Takemura, et al.	548	566	
	AG	6 3 2 9 3 9 1	12/2001	Ledoussal, et al.	514	312	
	AH	3 9 8 4 4 0 3	10/1976	Fujisawa, et al.	260	243	
	AI	4 6 4 2 3 5 5	2/1987	Nakamura, et al.	548	533	
	AJ	4 0 5 1 2 4 7	9/1977	Schuppan, et al.	424	258	
JN	AK	3 9 2 4 0 4 2	12/1975	Gerster, et al.	424	258	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
JN	AL	0 3 9 4 5 5 3	10/1990	EP				
	AM	0 5 7 2 2 5 9	12/1993	EP				
	AN	0 2 8 7 9 5 1	10/1988	EP				
	AO	0 3 0 4 0 8 7	2/1989	EP				
JN	AP	0 2 4 1 2 0 6	10/1987	EP				

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

JN	AR	Mergler et al. Proceedings of the 12 th American Peptide Symposium. Reference cited on page 2 of EPA 0953577
	AS	Alsina, et al. <i>Tetrahedon Letters</i> , v38 n5, (1997) 883-886.
JN	AT	Edwards et al. <i>J. Med. Chem.</i> , v37 n22 (1994) 3749-3757.

EXAMINER

DATE CONSIDERED 7/7/04

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<i>SH</i>	AA	3 9 8 5 8 8 2	10/1976	Gerster, et al.	424	258	
	AB	4 3 9 9 1 3 4	8/1983	Ishikawa, et al.	424	246	
	AC	4 4 0 4 2 0 7	9/1983	Stern, et al.	424	258	
	AD	4 4 1 6 8 8 4	11/1983	Ishikawa, et al.	424	250	
	AE	4 4 4 3 4 4 7	4/1984	Gerster, et al.	424	248.53	
	AF	4 4 7 2 4 0 6	9/1984	Gerster, et al.	424	258	
	AG	4 4 7 2 4 0 7	9/1984	Stern, et al.	424	258	
	AH	4 5 3 5 1 6 1	8/1985	Hayakawa, et al.	546	94	
	AI	4 5 5 2 8 7 9	11/1985	Ishikawa, et al.	514	253	
	AJ	4 5 9 4 3 4 7	6/1986	Ishikawa, et al.	514	252	
<i>SH</i>	AK	4 5 9 9 4 1 8	7/1986	Irikura, et al.	544	361	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
<i>SH</i>	AL	9 9 1 4 2 1 4	3/1999	WO			
	AM	0 2 1 3 1 4 8 3	5/1990	JP			X
	AN	0 2 1 8 8 5 8 9	7/1990	JP			X
	AO	0 0 1 8 4 0 4	4/2000	WO			
<i>SH</i>	AP	0 1 8 5 0 9 5	11/2001	WO			

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

<i>SH</i>	AR	Oizumi et al. <i>J. Infec. Chemotherapy</i> , v7 (2001) 191-194.
	AS	Haustein et al. <i>J. of Dermatological Treatment</i> , v8 (1997) 87-92.
<i>SH</i>	AT	Bundgaard, H. <i>Design of Prodrugs</i> . (1985) p1-3

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SH	AA	5 1 8 5 3 3 7	2/1993	Fujii, et al.	514	254	
	AB	6 0 3 4 1 0 0	3/2000	Adachi, et al.	514	312	
	AC	4 9 3 5 4 2 0	6/1990	Ueda, et al.	514	235.2	
	AD	5 8 5 9 0 2 6	1/1999	Ito, et al.	514	312	
	AE	6 1 2 1 2 8 5	9/2000	Takemura, et al.	514	312	
	AF	5 6 3 9 8 8 6	6/1997	Zerbes, et al.	546	155	
	AG	5 8 6 9 6 6 1	2/1999	Ochi, et al.	544	128	
	AH	4 3 8 2 8 9 2	5/1983	Hayakawa, et al.	260	243.3	
	AI	4 8 9 4 4 5 8	1/1990	Masuzawa, et al.	546	156	
SH	AJ	5 2 0 0 5 5 8	4/1993	Kwan, K.C.	562	496	
	AK	2002/0061908	4/2001	de Souza, et al	514	294	

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
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	AM	9 4 2 0 1 0 5	9/1994	WO			
	AN	9 7 4 4 0 3 4	11/1997	WO			X
	AO	0 5 3 3 9 2 3 8	12/1993	JP			X
SH	AP	5 8 0 9 0 5 1 1	5/1983	JP			X

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

SH	AR	Hashimoto et al. <i>Chem. Pharm. Bull.</i> V44, n4 (1996) p642-645.
	AS	Irish, D. et al. <i>J. of Hospital Infection</i> , v39 (1998) p19-26
SH	AT	Kido, M. et al. <i>Chem. Pharm. Bull.</i> V42, n4 (1994) p872-876

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<i>SN</i>	AA	4 6 3 8 0 6 7	1/1987	Culbertson, et al.	546	15	
	AB	4 6 6 5 0 7 9	5/1987	Culbertson, et al.	514	312	
	AC	4 8 2 2 8 0 1	4/1989	Domagala, et al.	514	312	
	AD	5 0 9 7 0 3 2	3/1992	Domagala, et al.	546	156	
	AE	5 0 5 1 5 0 9	9/1991	Nagano, et al.	546	156	
	AF	5 6 0 7 9 4 2	3/1997	Petersen, et al.	546	200	
	AG	5 6 7 7 3 1 6	10/1997	Ao, et al.	514	312	
	AH	4 7 7 7 1 7 5	10/1988	Culbertson, et al.	514	300	
	AI	6 1 2 1 2 8 5	9/2000	Takemura, et al.	514	312	
	AJ	6 3 2 9 3 9 1	12/2001	Ledoussal, et al.	514	312	
<i>SN</i>	AK	4 8 7 4 7 6 4	10/1989	Ueda, et al.	514	254	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
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<i>SN</i>	AL	6 3 1 9 2 7 5 3	8/1988	JP				X
	AM	5 7 0 8 1 4 8 6	5/1982	JP				X
	AN	5 7 1 7 6 9 8 7	10/1982	JP				X
	AO	0 2 1 8 8 5 7 0	7/1990	JP				X
<i>SN</i>	AP	0 0 6 8 2 2 9	11/2000	WO				

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

<i>SN</i>	AR	Sloan et al. <u>Physics and Chemistry of the Organic Solid State</u> , eds. D. Fox, Labes and Weissberer, Interscience Publishers, (1963) 179-182
	AS	Takahashi et al. <u>Arzheim-Forsc/Drug Res.</u> , 45(1), Nr.2 (1995), 199-197
<i>SN</i>	AT	Morita, S. et al. <u>Tetrahedron: Assymetry</u> , v6, n1 (1995) p245-254.

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		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
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	AM		9	9	2	6	9	4	0	6/1999	WO					
	AN		0	9	1	9	5	5	3	6/1999	EP					
	AO		0	2	3	0	2	9	5	7/1987	EP					
SA	AP		0	2	0	9	7	5	8	2/2002	WO					

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
SA	AR	Morita, S. et al. <i>Chem. Pharm. Bull.</i> , 38(7) (1990) 2027-2029.
	AS	Ishikawa et al. <i>Chem. Pharm. Bull.</i> , 37(8) (1989) 2103-2108.
SA	AT	English translation of Yamada, H. et al. <i>Iyahukin Kenkyu</i> , v31, n8 (2000) p519-524

EXAMINER <i>S. Huang</i>	DATE CONSIDERED <i>2/7/04</i>
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SAH	AL	0	5	4	1	0	8	6	5/1993		EP				
	AM	0	3	4	2	6	7	5	11/1989		EP				
SAH	AN	9	7	3	1	0	0	0	8/1997		WO				
	AO														
	AP														

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

SAH	AR	English translation of Yamada, H. et al. <i>Iyahukin Kenkyu</i> , v31, n8 (2000) p525-528													
	AS	Berge et al. <i>J. of Pharmaceutical Sciences</i> , 66(1) (1977) 1-19.													
SAH	AT	Abstract of Koike, M. et al. <i>Iyahukin Kenkyu</i> , v21, n5 (1990) p998-1021													

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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

SH	AR	Abstract of Koike, M. et al. <i>Iyaku hin Kenkyu</i> , v21, n5 (1990) p1022-1033
	AS	Abstract of Fujita, S. et al. <i>Iyaku hin Kenkyu</i> , v21, n6 (1990) p1156-1176
SH	AT	Abstract of Koike, M. et al. <i>Yakubutsu Dotai</i> , v5, n2 (1990) p199-208

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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

<i>SH</i>	AR	Abstract of Yasuo, A. et al. <i>Yakuri to Chiryo</i> , v18, n4 (1990) p1717-1730
<i>I</i>	AS	Abstract of Hayakawa, R. et al. <i>Hifu</i> , v32, n2 (1990) p217-230
<i>SH</i>	AT	Abstract of Asada, Y. et al. <i>Yakuri to Chiryo</i> , v18, n4 (1990) p1717-1730

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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

84	AR	Abstract of Awogi, T. et al. <i>Iyakuhi Kenkyu</i> , v21, n4 (1990) p626-635
1	AS	Abstract of Matsuzawa, A. et al. <i>Iyakuhi Kenkyu</i> , v21, n4 (1990) p636-646
84	AT	Abstract of Nagao T. et al. <i>Iyakuhi Kenkyu</i> , v21, n4 (1990) p647-662

EXAMINER

R. Huang

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24	AR	Abstract of Matsuzawa, A. et al. <i>Iyaku hin Kenkyu</i> , v21, n4 (1990) p633-670
1	AS	Abstract of Hashimoto, K. et al. <i>Iyaku hin Kenkyu</i> , v21, n4 (1990) p670-677
36	AT	Abstract of Furukawa, M. et al. <i>Iyaku hin Kenkyu</i> , v21, n5 (1990) p989-997

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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)		
3/28	AR	Abstract of Kojima, K. et al. <i>Iyakuhiin Kenkyu</i> , v21, n5 (1990) p1034-1052
1	AS	Abstract of Nakagiri, N. et al. <i>Iyakuhiin Kenkyu</i> , v21, n6 (1990) p1144-1155
8/24	AT	Abstract of Aoki, M. et al. <i>Iyakuhiin Kenkyu</i> , v21, n6 (1990) p1177-1202

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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

SR	AR	Abstract of Matsuzawa, A. et al. <i>Iyakuhin Kenkyu</i> , v22, n1 (1990) p61-76
	AS	Abstract of Kurokawa I. et al. <i>J. Am. Acad. Dermatol.</i> , v25, n4 (1991) p674-681
SR	AT	Abstract of Bojar, R. et al. <i>J. of Investigative Dermatology</i> , v103, n3 (1994) p405

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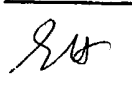

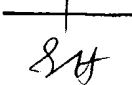
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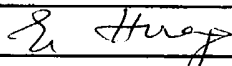
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OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Fujio, N. et al. <i>Yakuri to Chiryō</i> , v26, n7 (1998) p1119-1132
	AS	Kido, M. et al. <i>Chem. Pharm. Bull.</i> , v44, n2 (1996) p421-423
	AT	Miller, M.A. et al. <i>Infection Control and Hospital Epidemiology</i> , v17, n12 (1995) p811-813

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SA	AR	Abstract of Komagata. et al. <i>Japanese Journal of Antibiotics</i> , v51, n2 (1998) p130-136
I	AS	Abstract of Gollnick, H. et al. <i>Dermatology</i> , v196, n1(1998) p119-125
SA	AT	Abstract of Nishijima, S. et al. <i>J. of Int'l Medical Research</i> , v25, n4 (1997) p210-213

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<i>8/14</i>	AR	Abstract of Nishijima, S. et al. <i>J. of Int'l Medical Research</i> , v24, n6 (1996) p473-477
<i>1</i>	AS	Abstract of Akamatsu, H. et al. <i>J. of Int'l Medical Research</i> , v23, n1 (1995) p19-26
<i>8/14</i>	AT	Abstract of Takahashi, N. et al. <i>Arzneimittel-Forschung</i> , v45, n2 (1995) p195-

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28	AR	Abstract of Takahashi, N. et al. <i>Arzneimittel-Forschung</i> , v44, n11 (1994) 1p265-1268
1	AS	Abstract of Patel, M.V. 39 th ICAAC at San Diego Poster No. F0558 (Sept. 26-29, 1999)
28	AT	Chemical Abstract: Doc. No. 123:334723 Vogt, K. et al. <i>Drugs</i> , v49, Suppl.2 (1995)

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SA	AR	Chemical Abstract: Doc. No. 119:4810 Vogt, K. et al. <i>Eur. J. Clin. Microbiol. Infect.</i>
1	AS	Chemical Abstract: Doc. No. 113:2131188 Morita, S. et al. <i>Chem. Pharm. Bull.</i> v38, n7
SA	AT	Chemical Abstract: Doc. No. 112:229223, Muto, N. et al. <i>J. Immunoassay</i> , v11 n1

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SA	AR	Chemical Abstract: Doc. No.112: 191305, Koike, M. et al. <i>J. Chromatogr.</i> v526, n1
I	AS	Chemical Abstract: Doc. No. 112: 178631, Ishikawa, H. et al. <i>Chem. Pharm. Bull.</i> v37,
SA	AT	Chemical Abstract: Doc. No. 112:52083, <i>Chemotherapy</i> , v37, n9 (1989) p1160-1178

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SH	AR	Abstract of Iwahara, K. et al. <i>European J. of Dermatology</i> , v9, n4 (1999) p276-277
	AS	Abstract of Radl, S. et al. <i>Archiv der Pharmazie</i> , v329, n3 (1996) p115-119
SH	AT	Abstract of Andriole, V.T., <i>Drugs</i> , v46, Suppl.3 (1993) p1-7

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SH	AR	Fournier, Benedicte and David C. Hooper. <i>Antimicrobial Agents and Chemotherapy</i> , (Jan. 1998) 42(1) 121-128
	AS	Zhao, Xilin et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Apr. 1998) 42(4) p956-958
SH	AT	Breines, David M. et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Jan. 1997) 41(1) 175-179

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SH	AR	Fournier, Benedicte, et al. <i>Journal of Bacteriology</i> , (Feb. 2000) 182(3) 664-671
1	AS	Mandell, Lionel et al. <i>CIP</i> (2001) 32, Suppl 1, S72-S79
SH	AT	Gootz, Thomas D. and Katherine E. Brighty. "Chemistry and Mechanism of Action of the Quinolone Antibacterials", <i>The Quinolones</i> , Second Ed. Chap 2. Academic

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8/4	AR	Takeouchi, Takashi et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Aug 1996) 40(8) p1835-1842
1	AS	Zhao, Xilin, et al. <i>Proc. Natl. Acad. Sci. USA</i> , (Dec. 1997) vol. 94, pp13991-13996
8/4	AT	Takei, Masaya et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Dec. 2001), 45(12), pp3544-3547

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SH	AR	Ince, Dilek et al. <i>Antimicrobial Agents and Chemotherapy</i> , (Dec. 2000), 44(12) pp3344-3350
SH	AS	Oizumi, Nbuyuki et al. <i>J. Infect. Chemother.</i> , (2001) 7: 191-194
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